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PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		COO Form DCT/ICA/220	
EL/2-22992	ACTION	as wel	see Form PCT/ISA/220 l as, where applicable, item 5 below.	
International application No.	International filing date (day/month/)	ear)	(Earliest) Priority Date (day/month/year)	
PCT/EP2004/053111	26/11/2004		05/12/2003	
Applicant	· · · · · · · · · · · · · · · · · · ·			
CIBA SPECIALTY CHEMICALS H	HOLDING INC.			
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Search Insmitted to the International Bureau.	ing Auth	ority and is transmitted to the applicant	
This International Search Report consists	of a total ofsheet	s.		
X It is also accompanied by	a copy of each prior art document cited	in this i	report.	
1. Basis of the report	·			
 With regard to the language, the i language in which it was filed, unle 	nternational search was carried out on ess otherwise indicated under this item	the basi	is of the international application in the	
The international sthis Authority (Rul	search was carried out on the basis of e 23.1(b)).	a transla	tion of the international application furnished to	
	•	closed i	n the international application, see Box No. I.	
2. Certain claims were four	nd unsearchable (See Box II).			
3. X Unity of invention is lack	ina (see Box III).			
	 (555 55%).			
 With regard to the title, the text is approved as sub 	amitted by the applicant			
	nnitied by the applicant. led by this Authority to read as follows:			
<u> </u>	•			
5. With regard to the abstract,				
X the text is approved as sub				
the text has been establish may, within one month from	ed, according to Rule 38.2(b), by this And the date of mailing of this international the date of	uthority I search	as it appears in Box No. IV. The applicant report, submit comments to this Authority.	
6. With regard to the drawings,				i
a. the figure of the drawings to be pul	blished with the abstract is Figure No.			
as suggested by the	• •			
	Authority, because the applicant failed			
b. none of the figures is to be	Authority, because this figure better ch	aracteriz	es the invention.	
none of the lightes is to be				

Form PCT/ISA/210 (first sheet) (January 2004)

International Application No

PCT/EP2004/053111

CLASSIFICATION OF SUBJECT MATTER PC 7 C07D249/22 C07E IPC C07D249/20

H05B33/14

C07F5/04

CO7D405/14

C09K11/06

According to International Patent Classification (IPC) or to both national classification and IPC

H01L51/20

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C07F C09K H05B H01L IPC 7 CO7D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, WPI Data

C. DOCUMI	ENTS CONSIDE	ERED TO BE	RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 03/105538 A (CIBA SPECIALTY CHEMICALS HOLDING INC.) 18 December 2003 (2003-12-18) claims 1-10	1-4,6-13
X	US 4 533 612 A (H. EILINGSFELD ET AL.) 6 August 1985 (1985-08-06) cited in the application claims 1-14	1-4,6-13
Y	EP 0 866 110 A (TOYO INK MANUFACTURING CO., LTD.) 23 September 1998 (1998-09-23) cited in the application claims 1-10	1-4,6-13

l X I	Further documents are listed in the	continuation of box C.
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Patent family members are listed in annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- earlier document but published on or after the international
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- document published prior to the international filing date but later than the priority date claimed
- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report nZ 09. 2005

9 May 2005

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

Herz, C

Form PCT/ISA/210 (second sheet) (January 2004)

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Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Jalegory -	Citation of document, with indication, where appropriate, or the relevant passages	nelevani to ciaim No.
X	US 5 518 824 A (D. FUNHOFF ET AL.) 21 May 1996 (1996-05-21) cited in the application columns 5-9; claims 1-20; example 2	1-4,6-13
(US 5 104 740 A (M. SHINKAI ET AL.) 14 April 1992 (1992-04-14) cited in the application claim 4	1-4,6-13
(EP 0 418 385 A (SHIONOGI & CO., LTD.) 27 March 1991 (1991-03-27) claims 1,2	1-4,6-13
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(DATABASE BEILSTEIN 'Online! BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002327512 Database accession no. 286124,23014 abstract & CHMATAL ET AL.: COLLECT. CZECH. CHEM. COMMUN., vol. 24, 1959, page 494,	1-4,6-9
(DATABASE BEILSTEIN 'Online! BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002327513 Database accession no. 310010 abstract & CRIPPA ET AL.: GAZZ. CHIM. ITAL., vol. 57, 1927, page 753,	1-4,6-9
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	DATABASE BEILSTEIN 'Online! BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002327515 · Database accession no. 167844 abstract & ELBS: J. PRAKT. CHEM., <2>, vol. 108, 1924, page 223,	1-4,6-9
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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE BEILSTEIN 'Online! BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002327520 Database accession no. 25415 abstract & JOSHI, GUPTA: J. INDIAN CHEM. SOC., vol. 35, 1958, page 681,	1-4,6-9
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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Calegory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE BEILSTEIN 'Online! BEILSTEIN INSTITUT ZUR FÖRDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANKFURT AM MAIN, DE; XP002327525 Database accession no. 554478 abstract & O. IWAMOTO: YUKI GOSEI KAGAKU KYOKAISHI, vol. 23, 1965, page 51,	1-4,6-9
X	P. LOPEZ-ALVARODO ET AL.: "New Synthetic Applications of Aryllaed Triacetates. N-Arylation of Azoles" J. ORG. CHEM., vol. 60, no. 17, 1995, pages 5678-5682, XP002327511 *Scheme 1 - compound of formula 11 *	1-4,6-9
X	G. YASUDA, H. KIMOTO: "Substitution Reactions of Phenanthro'9,10-d!triazole with Benzyl Chlorides" J. HETEROCYCL. CHEM., vol. 35, 1998, pages 365-369, XP002327533 * Compounds of formula 2 *	1-4,6-9

INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of fir	st sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the fo	llowing reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requireme an extent that no meaningful International Search can be carried out, specifically:	nts to such
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of the second and th	of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	
This International Searching Authority found multiple inventions in this international application, as follows:	
see additional sheet	
As all required additional search fees were timely paid by the applicant, this International Search Report covers searchable claims.	ers all
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not involved any additional fee.	rite payment C
3. As only some of the required additional search fees were timely paid by the applicant, this International Search covers only those claims for which fees were paid, specifically claims Nos.:	ch Report
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	Report is
1-3 (all.part), 4, 6 (part), 7 (part), 8, 9, 10 (part), 11 (part 12 (part), 13 (part)	lacksquare
Remark on Protest The additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of additional search fees were accompanied by the approximation of the additional search fees were accompanied by the approximation of the additional search fees were accompanied by the additional search fees were accompanied by the approximation of the additional search fees were accompanied by the approximation of the additional search fees were accompanied by the addit	·

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

- 1. claims: 1-3 (all part), 4, 6 (part), 7 (part), 8, 9, 10 (part), 11 (part), 12 (part), 13 (part)
 - 2H-Benzotriazole compounds of formula I
- 2. claims: 1-3 (all part), 5, 6 (part), 7 (part), 10 (part), 11 (part), 12 (part), 13 (part)
 - 2H-Benzotriazole compounds of formula II

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/053111

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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